

LOCAL AND NORTHERN INVOLVEMENT
REPORT
FOR
1990/91



COMMUNITY PROGRAMS SECTION
ENGINEERING DIVISION

Department of Public Works
Government of the Northwest Territories
Yellowknife, N.W.T.



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December, 1990



LOCAL AND NORTHERN INVOLVEMENT

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1. INTRODUCTION

1.1 Purpose

The Community Programs Section of the Engineering Division, Department of Public Works, is responsible for the design and construction of community roads, site and land development, drainage improvements, community dust control, and community granular investigations and gravel supplies. This Section also implements capital works for the forest fire fighting program of the Department of Renewable Resources, since that department took over these responsibilities from the Federal Government; and designs and constructs sewage and solid waste disposal facilities in smaller communities where a major portion of the project budget is allocated to earthworks such as road and berm construction.

The purpose of this report is to compile information on the level of local and northern involvement in the delivery of the 1990/91 road/site/land development, fire operations, sewage and solid waste, community granular and dust control programs. This report indicates that the Department has made considerable progress over the years in maximizing benefits to local and northern residents and contractors through construction projects.

1.2 Background

A major priority of the Department is to maximize the benefits to local and northern residents that can be generated by the Government of the Northwest Territories (GNWT) construction contracts. The Community Programs Section of the Engineering Division, being responsible for the delivery of the road/site/land development, fire operations, sewage and solid waste, community granular and dust control programs, is playing a very major role in implementing various tendering approaches to maximize business development, training and employment opportunities for all NWT businesses and residents. The Section is always looking for

new ways to increase the opportunities for training, employment and the business development of northerners.

The Community Programs Section has met with considerable success by maximizing the percentage of construction contracts awarded to local and northern contractors and hamlets, and by providing training and employment opportunities to northerners. The staff accepted responsibility for encouraging and developing initiatives that supported this commitment. As noted in Figure 4 and 5, the Section issued 162 construction and construction related contracts and 98% of these contracts were awarded to local and northern contractors and suppliers. As Figure 6 shows, the Section has provided training and employment opportunities to over 200 local and northern residents as survey helpers, trades helpers, gravel screening plant operators, truck drivers, and chemical spreader operators.

The tendering approaches identified in 1990/91 by the Department have all been utilized by the Community Programs Section to assist the development of local and northern businesses and to provide training and employment opportunities for northern residents. Construction contracts on all major projects were broken down and tendered in smaller packages to allow hamlets and/or local contractors to bid for the work. The 1990/91 projects that came under the direction of the Section were particularly suited to achieving a high level of local and northern involvement and training opportunities.

2. LOCAL AND NORTHERN INVOLVEMENT INITIATIVES

In order to ensure that the Department's major priority to maximize local and northern involvement in GNWT construction contracts is met and to increase training and employment opportunities for local and northern residents, the Community Programs Section took the following special approaches or initiatives:

- Waiving bonding and contract security requirements for small local contractors/hamlets - Eskimo Point Lumber Supply, Arviat; Hamlet of Holman Island; Savik Enterprises Ltd., Igloolik; and Hamlet of Broughton Island.

- Assisting local contractors in obtaining loans or releasing/expediting contract payments - Profile Construction Ltd., Gjoa Haven; Hamlet of Pelly Bay; and Hamlet of Holman Island.

- Providing business advice to encourage the development of new local companies with potential for long term economic viability - Lyall Construction Ltd., Spence Bay; Koomuit Co-op, Pelly Bay; Savik Enterprises Ltd., Igloolik; and Whale Cove General Contracting, Whale Cove.

- Where practical, dividing major contracts or projects into smaller packages that are compatible with the capabilities of local and northern contractors - Heliport Construction, Fort Norman; Heliport Construction, Fort Resolution; Coppermine - land development and gravel crushing contracts; and Rankin Inlet - land development contracts.

- Establishing or increasing expertise in the regions to allow the transfer of significant quantities of work from headquarters - Decentralized Road/Site/Land Development Program to Inuvik Region; Land Development projects in Broughton Island, Pond Inlet, Spence Bay, Coppermine, Gjoa Haven and Cambridge Bay; and Gravel hauling contracts in Aklavik, Fort McPherson/Arctic Red River, Fort Franklin and Fort Norman.

- Hiring and training local residents as survey

assistants/helpers, gravel screening plant operators, truck drivers, trades helpers, checkers, and chemical spreader operators, and encouraging them to seek continuing education, through the proper government agency. See Figure 6.

- Working with local contractors and hamlets to assist them in furthering their opportunities to participate in activities related to construction and resource development and also assisting them in preparing tenders and laying out their work submissions - Hamlet of Pelly Bay; Hamlet of Holman Island; Savik Enterprises Ltd., Igloolik; Whale Cove General Contracting; Hamlet of Broughton Island; Kheraj Enterprises Ltd., Grise Fiord; Settlement of Jean Marie River; Settlement of Nahanni Butte; Eskimo Point Lumber Supply, Arviat; Sudliq Development Ltd., Coral Harbour; Lyall Construction Ltd., Spence Bay; Hamlet of Sachs Harbour; Hamlet of Paulatuk; Fort Norman Contracting Ltd., Fort Norman; Fort Good Hope Services Ltd., Fort Good Hope; and Canadrill Ltd., Repulse Bay.

- Assisting local and northern contractors to understand and utilize the GNWT policies, directives and procedures that pertain to local and northern business and employment.

- Working with Hamlet Councils, the Department of Personnel, the Equal Employment Directorate, and the Employment and Immigration Offices in the regions to assist in the recruitment of local and northern residents.

- Assisting community councils in the delivery of projects carried out under Municipal Capital Assistance Policy (MCAP) - Partial Authority Agreements - Hamlet of Pond Inlet; Hamlet of Arctic Bay; and Hamlet of Tuktoyaktuk.

- Awarding contracts to local contractors or, where local contractors are not available, to communities - Savik Enterprises Ltd., Igloolik; Hamlet of Pelly Bay; Hamlet of Holman; Lyall Construction Ltd.,

Spence Bay; Sudliq Development Ltd., Coral Harbour; Settlement of Nahanni Butte; Settlement of Jean Marie River; Eskimo Point Lumber Supply, Arviat; Profile Construction Ltd., Gjoa Haven; Fred H. Ross & Associates Ltd., Cambridge Bay; Enokseot Holdings Ltd., Arctic Bay; Hamlet of Broughton Island; Island Equipment Ltd., Cape Dorset; Qiqitaa Equipment Ltd., Pangnirtung; Kheraj Enterprises Ltd., Grise Fiord; Hamlet of Chesterfield Inlet; Whale Cove General Contracting, Whale Cove; Hamlet of Sachs Harbour; Hamlet of Paulatuk; Fort Norman Contracting Ltd., Fort Norman; Fort Good Hope Services Ltd., Fort Good Hope; and Canadrill Ltd., Resolute Bay.

- Assisting the Shihta Regional Council to develop plans and strategies to enhance the level of local and northern involvement of Sahtu residents in GNWT construction contracts. A close liaison with Shihta Regional Council was maintained on our Norman Wells Air Tanker Base project.

- Staffing project management positions in the regions to deliver the decentralized projects. In 1990/91, three person years were decentralized to the regions (Cambridge Bay/Keewatin/Baffin).

- Consulting communities or officials at the earliest possible stage of project/program development (involving them from the start and consistently throughout) and attending council meetings - Rae/Edzo, Pelly Bay, Holman Island, Rankin Inlet, Gjoa Haven, Dettah, Enterprise, and Hay River Reserve.



Survey Assistant Recording Field Information
- Igloolik

3. CAPITAL PROGRAMS

The Community Programs Section, as mentioned earlier in the report, managed the road/site/land development, fire operations, community granular and dust control programs, and the design and construction of the sewage and solid waste facilities. These capital programs under the

Community Programs Section represent approximately 12% (35% more than a year earlier) of the total capital programs which the Department undertook in 1990/91. As shown in Figure 1, the total capital expenditures for 1990/91 were approximately \$10.8 million.

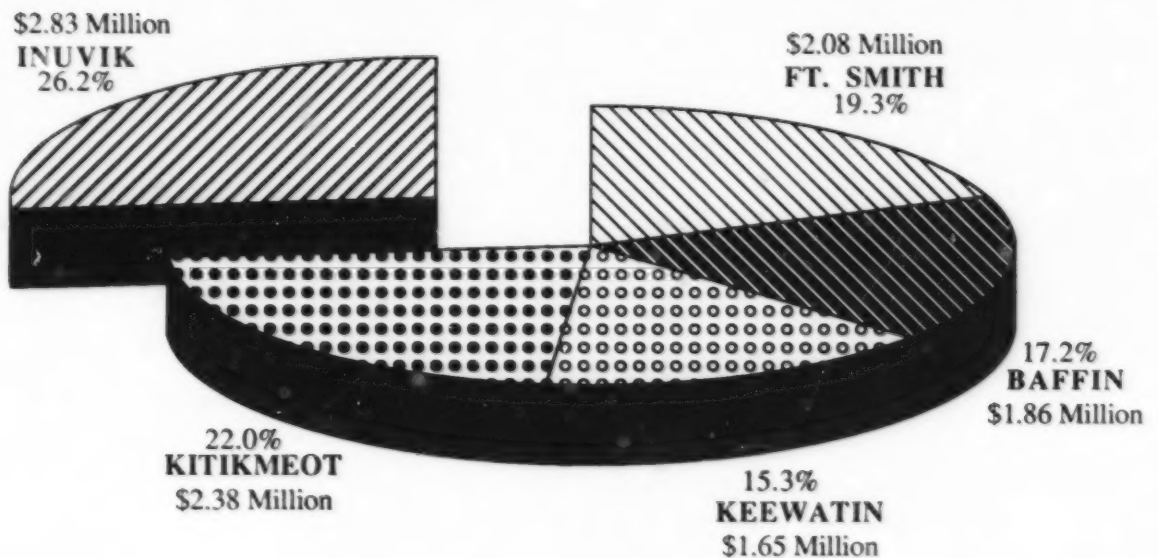


FIGURE 1 CAPITAL EXPENDITURE DISTRIBUTION
PERCENTAGE ALLOCATION BY REGION

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A three year comparison of capital expenditures has been made in Figure 2. Capital expenditures have increased from approximately \$8 million in 1989/90 to \$10.8 million in 1990/91, and a capital

expenditure of \$15.3 million is planned for 1991/92, an increase of 42% from 1990/91.

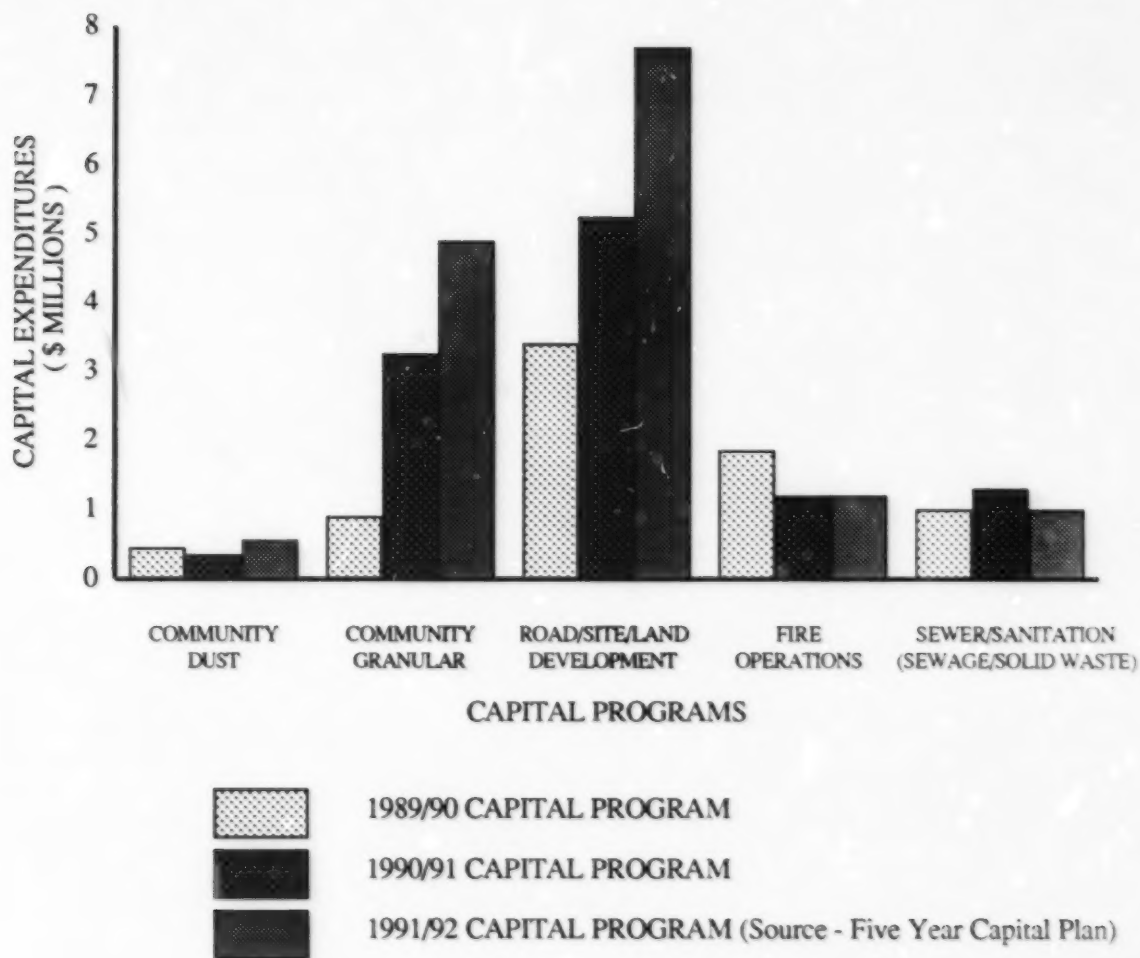


FIGURE 2 **THREE YEAR COMPARISON OF CAPITAL EXPENDITURES BY PROGRAM**

As shown in Figure 3, 48.9%, 26.8%, 11.2%, 10.4%, and 2.7% of the total capital expenditures under the Community Programs Section were committed to 1990/91 road/site/land development,

community granular, sewage/solid waste, fire operations, and community dust control programs respectively.

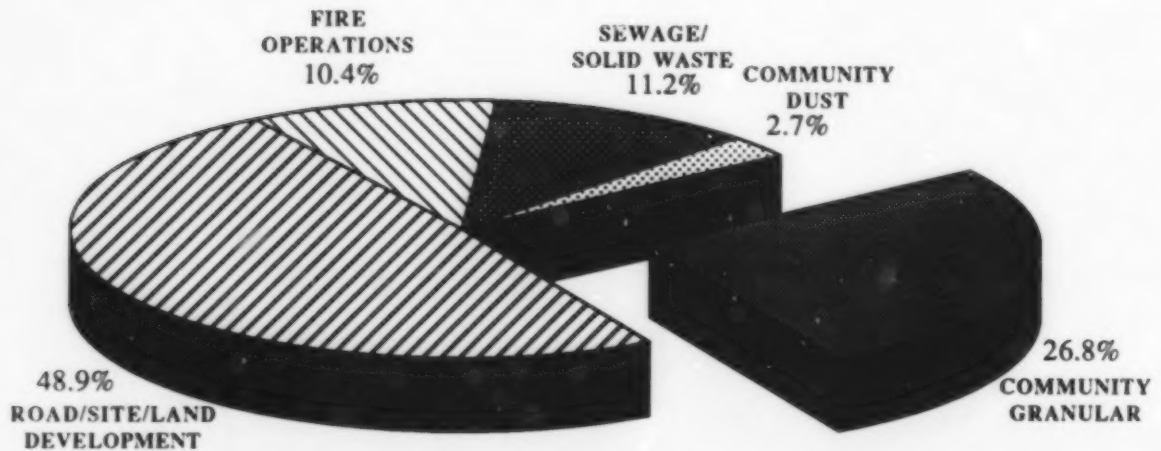


FIGURE 3 CAPITAL WORKLOAD DISTRIBUTION
PERCENTAGE ALLOCATION BY PROGRAM

A brief description of each program is provided in the following sections:

3.1 Fire Operations Program

Eleven projects were undertaken as part of the annual upgrading and development of the Renewable Resources Fire Operations program. These consisted of heliports, air tanker bases, office/warehouse buildings, satellite bases, and cabins and heliports. The Program was planned for following year(s) and/or delivered in the following communities: Wrigley, Fort Smith, Fort McPherson, Fort Resolution, Norman Wells, Fort Norman, Fort Good Hope, Fort Franklin, Inuvik, and Blackstone River (near Fort Liard). In 1990/91, several construction contracts were issued and all these contracts were awarded to local and northern contractors. As well, the Community Programs Section has been successful in supporting the development and ongoing viability of northern architectural and engineering consulting firms. All

architectural/engineering contracts were awarded to northern consulting firms. Under this program 13 local residents were provided with employment and training as survey helpers, equipment operators and trades helpers.

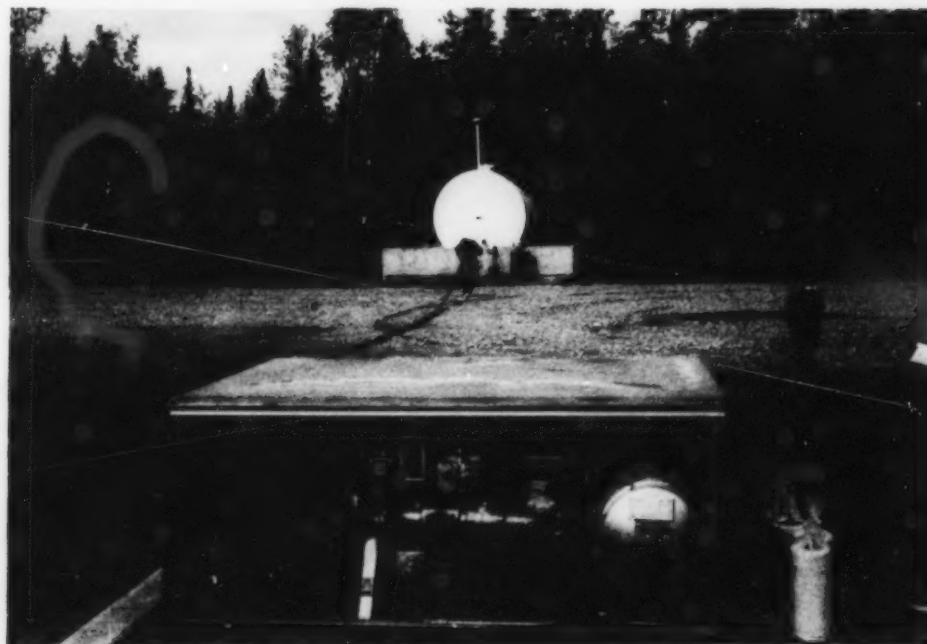
The planning of the new heliport facilities in Fort Norman and Fort Resolution were completed this fiscal year. The earthworks contracts were awarded to local contractors in Fort Resolution (Lurette's Trucking Service [1973] Ltd.) and Fort Norman (Fort Norman Contracting [1986] Ltd.) and were completed. Included in the new heliport facilities are helicopter landing pads, jet fuel storage and distribution systems, cold storage buildings, security fencing and loading docks. The existing Office/Warehouse facilities will be renovated to provide a heated warehouse area and more office space. Prefinished wall surfaces and related components have been eliminated so that local contractors will have an opportunity to bid on the projects.



Air Tanker Base and Heliport Construction - Norman Wells



Local Work Force Landscaping Heliport - Fort Norman



Typical Jet Fuel Distribution System - Fort Simpson

Preliminary planning for a new heliport in Wrigley was also completed. Included in the new heliport facilities are an office/warehouse building, helicopter landing pads, jet fuel storage and distribution systems, cold storage buildings, security fencing and loading docks.

Planning of the new Satellite Base Program began this year and it is planned to have the first prototype completed next fiscal year. The satellite bases are designed to accommodate 50 personnel and are comprised of crew standby buildings, storage buildings, crew kitchens, lavatories and washroom facilities, offices and a first aid station. The satellite facilities will be of wood frame construction. It is anticipated that the construction will be undertaken by local contractors.

Phase II of the Norman Wells Air Tanker Base was substantially completed and with the completion of the asphalt paving contract, the base became fully functional. Due to the nature of the work, the involvement of local subcontractors was not significant due to the lack of paving expertise in the community of Norman Wells. However, the level

of local involvement was enhanced due to a close liaison with the Shihta Regional Council.

A study was undertaken to determine the feasibility of developing an aircraft maintenance program in the N.W.T. The study identified and recommended the most appropriate site and facility that would provide maximum socioeconomic benefits to the northern communities. It was recommended that a new hanger complex be constructed in Fort Smith for an estimated cost of \$7.30 million (1990 \$'s).

3.2 Community Dust Control Program

Since its inception in 1985, the thrust of the Community Dust Control Program has been to support and assist local contractors and Hamlets by supplying them with the equipment, materials and training necessary to allow them to effectively deliver the program in their own communities in the future. The training is hands-on and directed specifically at chemical spreader operators, grader operators, water/gravel truck drivers and



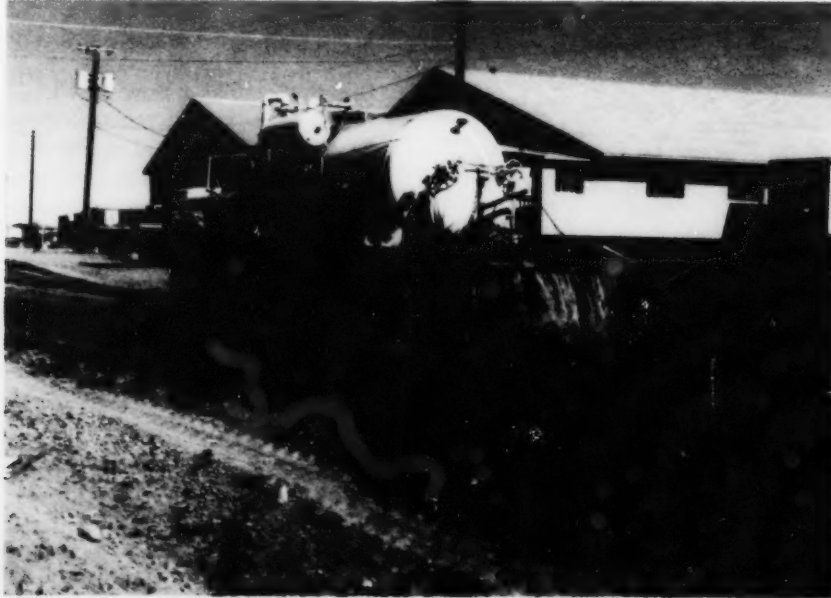
Loading Calcium Chloride (salt) onto Spreader - Hall Beach



Filling Spreader Hopper with Calcium Chloride - Pangnirtung



Watering Road Before Scarifying - Fort Good Hope



Watering Road Before Calcium Chloride Application - Tuktoyaktuk



Road After Calcium Chloride Application - Fort Good Hope

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operators, water/gravel truck drivers and contractor/Hamlet foremen.

The fiscal year 1989/90 was to have been the last year that the program would be funded by the Department. Early in 1990/91, a decision was made to maintain the program as a Department initiative. Funding was approved (\$293K for 1990/91 and \$500K for 1991/92) which allowed implementation of the program on a limited basis

during 1990/91.

During the 1990 season, 49.4 km. of road were treated for dust suppression in 12 communities. A total of 66,000 kg. of calcium chloride were purchased and shipped to 5 communities. There were 55 local residents involved in the training aspect of the program and the program was completed using 100% local contractors.

Following is a list of communities where the Community Dust Control Program was delivered in 1990/91:

REGION	COMMUNITY
Baffin	Pangnirtung, Broughton Island, Hall Beach, Resolute Bay, Cape Dorset
Keewatin	Coral Harbour, Arviat
Kitikmeot	Spence Bay, Coppermine, Cambridge Bay,
Inuvik	Tuktoyaktuk, Aklavik, Fort Franklin, Fort Norman, Fort Good Hope

Following is a list of contractors to whom one or more construction contracts or service contracts were awarded in 1990/91 to deliver the Community Dust Control Program:

REGION	CONTRACTOR
Baffin	Hamlet of Pangnirtung, Hamlet of Broughton Island, Hamlet of Hall Beach, Hamlet of Resolute Bay, Hamlet of Cape Dorset
Keewatin	Hamlet of Coral Harbour, Hamlet of Arviat
Kitikmeot	Hamlet of Spence Bay, Hamlet of Coppermine, Fred H. Ross & Associates
Inuvik	Hamlet of Tuktoyaktuk, Fort Good Hope Services

3.3 Road/Site/Land Development Program

The Community Programs Section provided project management services to the Department of Municipal and Community Affairs (MACA) in the delivery of 111 community road, site, land development and other related projects in 43 communities in 1990/91, with a total budget of over \$5.5 million. Under this program, more than 17,460 metres of new roads were constructed, 5,870 metres of existing roads were resurfaced, 2,177

metres of corrugated steel pipe culverts were installed, 428 residential and 27 industrial lots were developed, and several drainage improvements related projects were completed. The Program hired 129 local residents as survey helpers and trained them for various field work. In addition, 14 on-site hired casuals were employed to carry out the implementation of construction projects during the summer. In 1990/91, approximately 34% of the road/site/land development and sewage/solid waste disposal projects were carried out in the region as part of the decentralization process.

Following is a list of contractors to whom one or more construction or service contracts were awarded to maximize business, training, and employment opportunities for all NWT residents:

REGION	CONTRACTOR
Baffin	Hamlet of Arctic Bay, Hamlet of Broughton Island, Hamlet of Lake Harbour, Kheraj Enterprises Ltd., Savik Enterprises Ltd., Hamlet of Pond Inlet, Hamlet of Grise Fiord, Hamlet of Cape Dorset, Enokseot Holdings Ltd., Island Equipment Ltd., Qiqitaaq Equipment Ltd., Gely Construction Ltd., Hamlet of Igloodik, Hamlet of Pangnirtung, Hamlet of Resolute Bay
Fort Smith	Beaver Enterprises Construction, Rows Contracting Ltd., Cooper Barging Services, RTL-Robinson Enterprises, Hay River Dene Band Office, Settlement of Enterprise Council, Northern Metalic Sales, CAP Mountain Ventures, Hamlet of Fort Liard, Lirettes Trucking Services, Two Way Enterprises Ltd., Settlement of Jean Marie River, Deninoo Community Council, Nahanni Butte Community Council, Inkit Ltd.
Keewatin	Eskimo Point Lumber Supply, S K Construction Ltd., Hamlet of Chesterfield Inlet, Gely-Gautec Enterprises, Hamlet of Whale Cove, Tiriganiaq Enterprises Ltd., Northstar Outfitting Ltd., Hamlet of Arviat, Hamlet of Baker Lake, Sudliq Development Ltd., Y & C Enterprises Ltd., Hamlet of Rankin Inlet, Whale Cove General Contracting, Baker Lake Contracting and Supplies
Kitikmeot	HTM Transport Ltd., Hamlet of Coppermine, Hamlet of Holman Island, Arctic Coast Enterprises, Hamlet of Cambridge Bay, Hamlet of Spence Bay, Profile Construction Ltd., Hamlet of Gjoa Haven, Hamlet of Pelly Bay, Fred H. Ross & Associates, Lyall Construction Ltd., KDC Ltd.
Inuvik	Fort Norman Contracting Ltd., Fort Good Hope Services Ltd., D. Storr & Sons Contracting Ltd., Krik Contracting Ltd., Len Cardinal Transport Ltd., Hamlet of Sachs Harbour, Hamlet of Paulatuk, Hamlet of Tuktoyaktuk, NWTPC, Hamlet of Aklavik, Hamlet of Arctic Red River, Hamlet of Fort Franklin, Hamlet of Fort Norman, Hamlet of Fort McPherson, Hamlet of Fort Good Hope

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Following is a list of communities where the Road/Site/Land Development Program was delivered in 1990/91:

REGION	COMMUNITY
Baffin	Arctic Bay, Broughton Island, Clyde River, Cape Dorset, Grise Fiord, Igloolik, Lake Harbour, Pangnirtung, Pond Inlet, Resolute Bay
Keewatin	Arviat, Baker Lake, Chesterfield Inlet, Coral Harbour, Rankin Inlet, Repulse Bay, Whale Cove
Kitikmeot	Cambridge Bay, Coppermine, Gjoa Haven, Holman Island, Pelly Bay, Spence Bay
Inuvik	Aklavik, Arctic Red River, Fort Franklin, Fort Good Hope, Fort McPherson, Fort Norman, Paulatuk, Sachs Harbour, Tuktoyaktuk
Fort Smith	Dettah, Enterprise, Fort Liard, Fort Providence, Fort Resolution, Fort Rae, Hay River Reserve, Jean Marie River, Nahanni Butte, Trout Lake, Wrigley

Following is a summary of the work completed under the Road/Site/Land Development Program in 1990/91:

PROGRAM ACTIVITY	WORK COMPLETED					TOTAL
	Baffin Region	Ft. Smith Region	Keewatin Region	Kitikmeot Region	Inuvik Region	
New Roads	3,180m	4,600m	3,030m	5,560m	1,090m	17,460m
Road Resurfacing	450m	1,180m	1,170m	1,120m	1,950m	5,870m
Culvert Installation	321m	477m	571m	612m	196m	2,177m
Lot Development						
Residential	78	104	85	117	44	428
Industrial		12	11	4		27
Ditch Improvements	91m	1,910m	400	1,110m		3,511m
Guardrail Installation	90m					90m
Geotextile Placement		5,000m ²		3,300m ²		8,300m ²
Survey Assistants	26	35	14	19	35	129
No. of Projects	18	21	19	27	26	111

3.3.1 Baffin Region

In 1990/91, the Program completed the delivery of 18 projects, including three drainage studies conducted in the communities of Arctic Bay, Grise Fiord and Pangnirtung, and four pre-engineering surveys were completed for future projects. The Department continued training and employing local residents as survey assistants and gravel checkers. A total of 26 survey assistants and gravel checkers were hired including the combined training of MACA's Local Planning Assistants. The Community Programs Section also assisted MACA to deliver two MCAP projects under partial authority agreements in areas such as Pond Inlet and Arctic Bay.

3.3.2 Fort Smith Region

In 1990/91, 21 projects were completed under the Road/Site/Land Development Program, including one drainage analysis study conducted in the

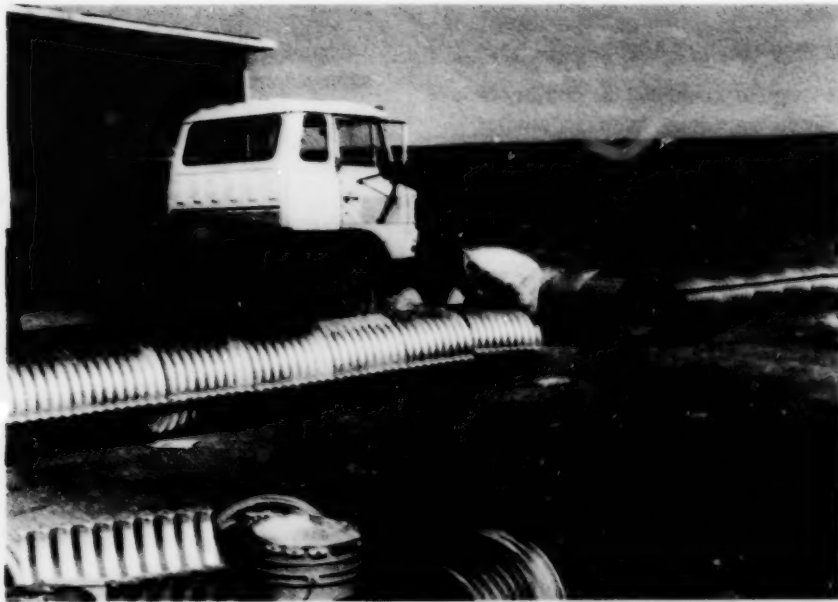
community of Fort Rae and four pre-engineering surveys were completed for future projects. A total of 35 survey assistants and gravel checkers were provided with training and employment opportunities in the delivery of the 21 projects. Also, comprehensive training was provided to a native student the Department is sponsoring through the Engineering Access Program.

3.3.3 Kitikmeot Region

The Road/Site/Land Development Program has completed twenty-one projects in six communities. Under this program, 6 projects were decentralized to the region as part of the decentralization process. During the construction season, the Department assisted the Hamlets of Holman and Pelly Bay in obtaining an early release of contract payments to meet community payroll obligations. In Gjoa Haven, a private contractor was also assisted by the Department in obtaining additional bank credit. The Department also played a major role in



Laying Geotextile on Sub-grade - Hay River Reserve



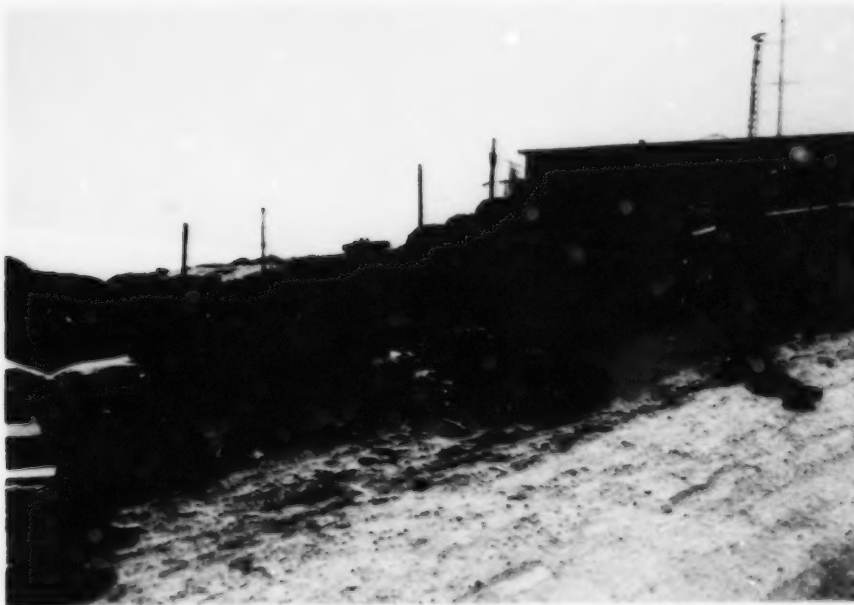
Assembling Nestable Culvert for Drainage Improvements - Arviat



Spreading Surfacing Gravel on Sewage Lagoon Road - Nahanni Butte



Dozer Working on First Lift (Sub-Base) of a New Road - Grise Fiord



Local Work Force Installing Guard Rail - Lake Harbour



Truck Dumping Gravel for Road Construction - Cape Dorset

establishing a new business (Lyaíl Construction Ltd.) in Spence Bay. In 1990/91, 100% of the construction and service contracts were awarded to hamlets and local contractors and also 19 local residents were provided training and employment opportunities as survey assistants.

3.3.4 Keewatin Region

A total of 12 projects, 2 drainage studies and five pre-engineering surveys were completed under the Road/Site/Land Development Program in 1990/91. In our continuing assistance to local/northern contractors, the Department worked closely with Whale Cove General Contracting Ltd. - a newly established construction company in the community of Whale Cove. In 1990/91, 94% of the contracts were awarded to hamlets and local contractors, and 14 local residents were employed and trained as survey helpers and checkers.

3.3.5 Inuvik Region

Road/Site/Land Development Program projects were carried out in several communities, including Fort Norman, Fort Good Hope, Fort Franklin, Fort McPherson, Arctic Red River, Aklavik, Sachs Harbour, Paulatuk and Tuktoyaktuk. The work involved construction of new roads, upgrading of existing roads and development of 44 residential lots. In 1990/91, 100% of the contracts were awarded to hamlets, local and northern contractors and over 35 local residents were trained and employed as survey helpers. All of the projects were delivered by the Department's Regional staff.

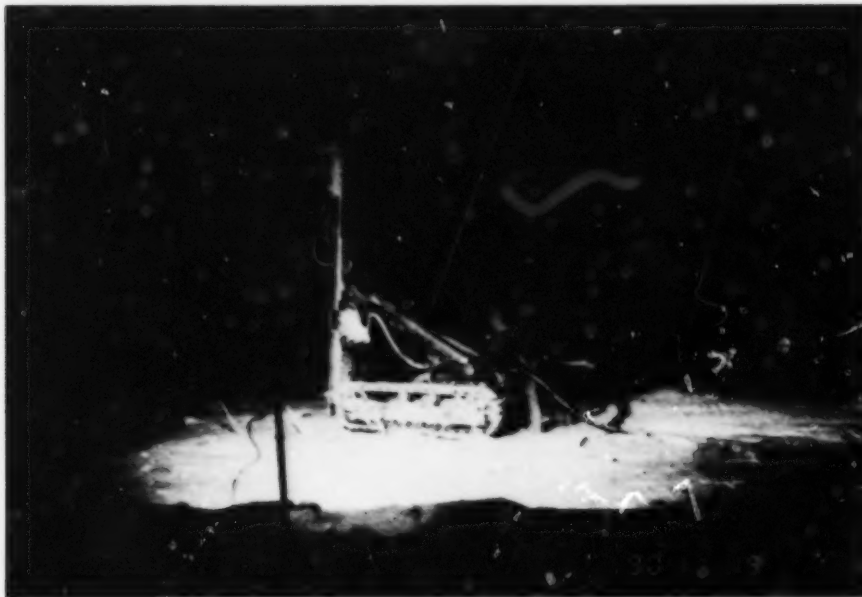
3.4 Community Granular Program

The Community Granular Program is responsible for the provision of stockpiles of granular materials in non-tax based communities where private enterprise does not provide this service. The materials are available to government departments and agencies and the private sector alike, at a price that is determined from the cost of production. Program planning is based on the assessment of the community needs for several years into the future by reviewing the plans of government departments and agencies and consultation with community officials and the private sector.

In 1990/91, approximately 127,000 cubic metres of select crushed and pitrun material were produced in several communities and approximately 800 cubic metres of a contract total of 4,000 cubic metres of

rock was blasted in Repulse Bay in preparation for further processing or direct use. As well, granular investigations were completed in Fort Liard, Snowdrift, Rae/Edzo, Enterprise, Fort Norman, Pangnirtung, Whale Cove, Repulse Bay and Coppermine. Under this program, training and employment opportunities were provided to 20 local residents as screener operators, survey assistants and quantity checkers. The Community Programs Section has also assisted the Department in identifying sources of granular materials for the next 20 years for all communities where the program is or can be expected to be active, in conjunction with negotiation of Inuvialuit, Dene/Metis and Tungavik Federation of Nunavut (TFN) Land Claims.

In 1990/91, development of a database system was initiated for sand and gravel sources in all non-taxed based communities, to improve program planning and management.



Night Drilling - Repulse Bay



Operator Being Trained to Use Portable Power Screener - Aklavik



Crushing and Stockpiling Operation - Chesterfield Inlet
(A Combined Water Supply/Granular Crushing Project)

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Following is a list of communities where the Community Granular Program was planned and/or implemented in 1990/91:

REGION	COMMUNITY
Baffin	Clyde River, Pangnirtung
Keewatin	Chesterfield Inlet, Repulse Bay
Kitikmeot	Coppermine
Inuvik	Aklavik, Arctic Red River, Fort Franklin, Fort McPherson, Fort Norman
Fort Smith	Fort Liard, Fort Providence, Jean Marie River, Trout Lake, Fort Rae, Snowdrift, Enterprise

Following is a list of contractors to whom one or more construction contracts or service contracts were awarded in 1990/91 to deliver the Community Granular Program:

Contractor Status	CONTRACTOR
Hamlets	Hamlet of Aklavik, Hamlet of Fort Franklin, Hamlet of Fort Norman, Hamlet of Chesterfield Inlet, Hamlet of Repulse Bay, Hamlet of Gjoa Haven, Hamlet of Spence Bay
Local/Northern	Sammurtok Outfitting, Pitsiulak Co-op, Eskimo Point Lumber Supply, Canadrill Ltd., Kugluktuk Development Corporation, D. Storr and Sons, Cardinal Transportation Ltd., Stan Dean & Sons, 892568 NWT Ltd., YK Motors, RTL-Robinson Enterprises, NTCL
Southern	Rivtow Equipment Ltd.

3.5 Sewage/Solid Waste Disposal Facilities

The Community Programs Section (Headquarters and Region) also completed sewage/solid waste

disposal facilities in Dettah, Nahanni Butte, Spence Bay, Gjoa Haven, Coppermine and Cambridge Bay.

These projects were completed using 100% local and northern contractors.



Construction of Road to Sewage Lagoon - Dettah

4. LOCAL AND NORTHERN INVOLVEMENT

The capital programs under the Community Programs Section are local and northern involvement oriented programs and are very successful and popular with local communities. Local communities and contractors play an active role in the delivery of these programs and at the same time, the Department is fulfilling its objective to maximize local and northern involvement. As mentioned earlier, the Department is committed to increasing business, employment and training opportunities for all NWT residents. This objective is achieved by maximizing the percentage of construction and service contracts awarded to local and northern firms and hamlets, and by maximizing the number of local and northern persons employed on the construction projects.

4.1 Award of Construction and Service Contracts

In 1990/91, the Community Programs Section (Headquarters and Regions) issued 162 construction and service contracts. As shown in Figure 4, 46% of these contracts were awarded to hamlets, 27% to local contractors, 25% to northern contractors and approximately 2% to southern contractors. Figure 4 reveals that 98% of the 1990/91 contracts were awarded to local and northern contractors and hamlets.

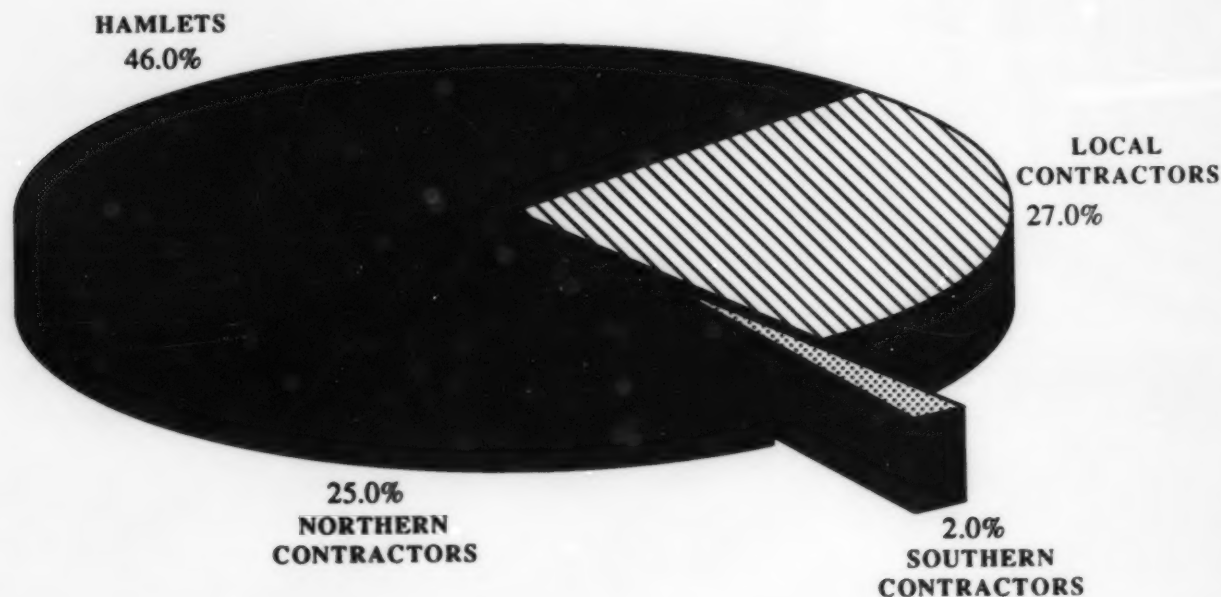


FIGURE 4

AWARD OF CONSTRUCTION
AND SERVICE CONTRACTS

4.2 Percentage Value of Local and Northern Content

In 1990/91, the Community Programs Section (Headquarters and Regions) was committed to maximizing the benefits to local and northern businesses and residents that can be generated by the GNWT construction contracts. This major commitment, as shown in Figure 5, has been achieved by maximizing the percentage of

construction and service contracts, in terms of dollars, awarded to local and northern contractors/firms and hamlets. Figure 5 shows that 93.2% of construction dollars went to local and northern contractors and hamlets. As shown in Figure 5, 42.6% of the total construction dollars went to hamlets, 16.4% to local contractors, 34.2% to northern contractors, and 6.8% to southern contractors.



FIGURE 5 LOCAL AND NORTHERN INVOLVEMENT (\$%)
("Where the Construction Dollar is Spent")

4.3 Training and Employment Opportunities for Local Residents

The Community Programs Section (Headquarters and Regions) was committed to giving training and employment opportunities to local and northern residents. Its staff, both at Headquarters and the Regional level, accepted responsibility for encouraging and developing initiatives that supported this commitment. The staff worked with local communities and employment officers to assist local residents in furthering their opportunities to participate in activities related to construction. The Section was successful in

providing training and employment opportunities to over 200 local residents as survey helpers/assistants, gravel screening plant operators, truck drivers, equipment operators and chemical spreader operators. As noted in Figure 6, 223 local residents were provided with training and employment opportunities in 1990/91 as compared to only 107 in 1989/90. In addition to continuing to implement existing policies and special initiatives, the Community Programs Section will continue to look for new initiatives or approaches to increase the opportunities for training and employment of local and northern residents.

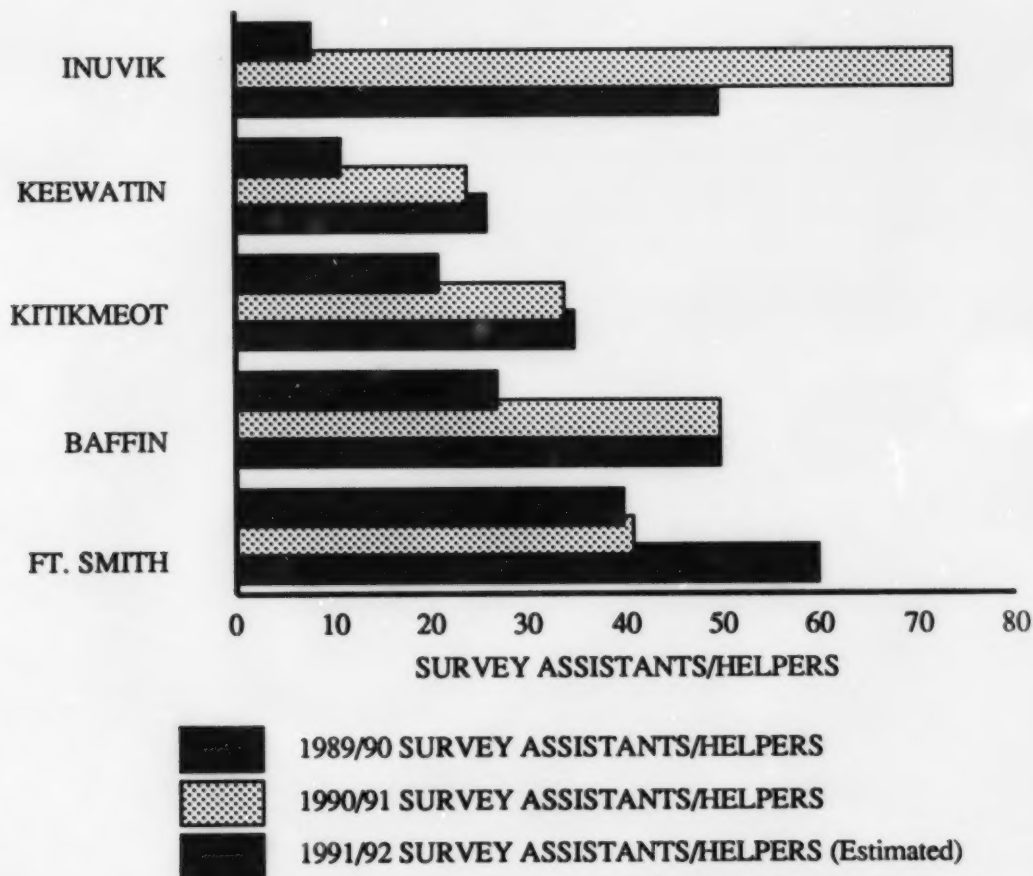


FIGURE 6 THREE YEAR COMPARISON OF TRAINING AND EMPLOYMENT OF LOCAL RESIDENTS

4.4 Award of Architectural and Engineering Contracts

Under the Department's directive on "Selection of Architectural and Engineering Services", the Community Programs Section has been successful in supporting the development of northern architectural/engineering consulting firms. In 1990/91, 100% of architectural/engineering contracts were awarded to northern firms.

4.5 Decentralization of Project Management Activity

The Community Programs Section was committed to meet the Department's objective to expand the role of the Regional staff in the management of

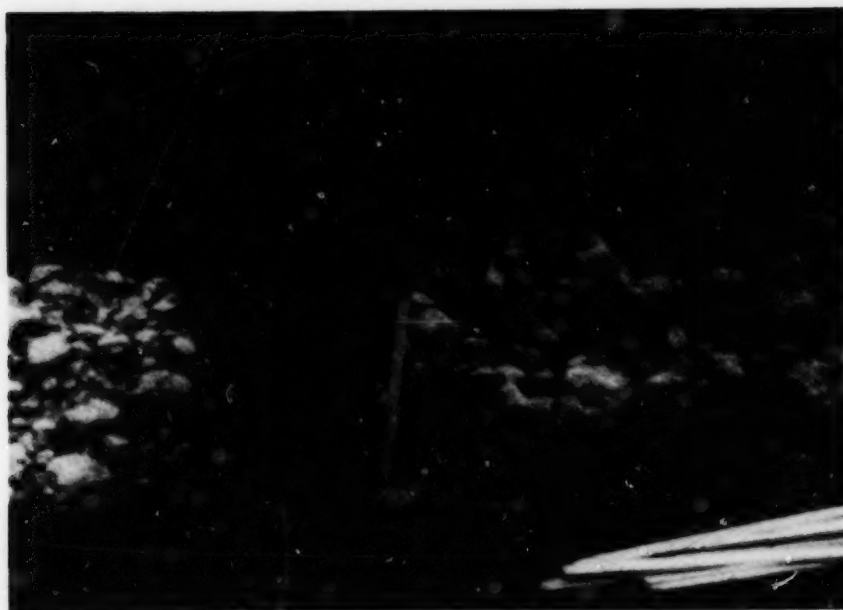
capital projects. In 1990/91, the Community Programs Section decentralized several gravel hauling and screening projects to the Inuvik Region, along with the already fully decentralized road/site/land development related projects. Also, several other projects related to our road/site/land development program were decentralized to the Kitikmeot, Baffin and Keewatin Regions. As well, in 1990/91, the Community Programs Section decentralized three person-years to the regions; one to each of the Kitikmeot, Keewatin and Baffin Regions. This Section also assisted MACA to monitor the delivery of the MCAP projects under partial authority agreements in Tuktoyaktuk, Pond Inlet and Arctic Bay.



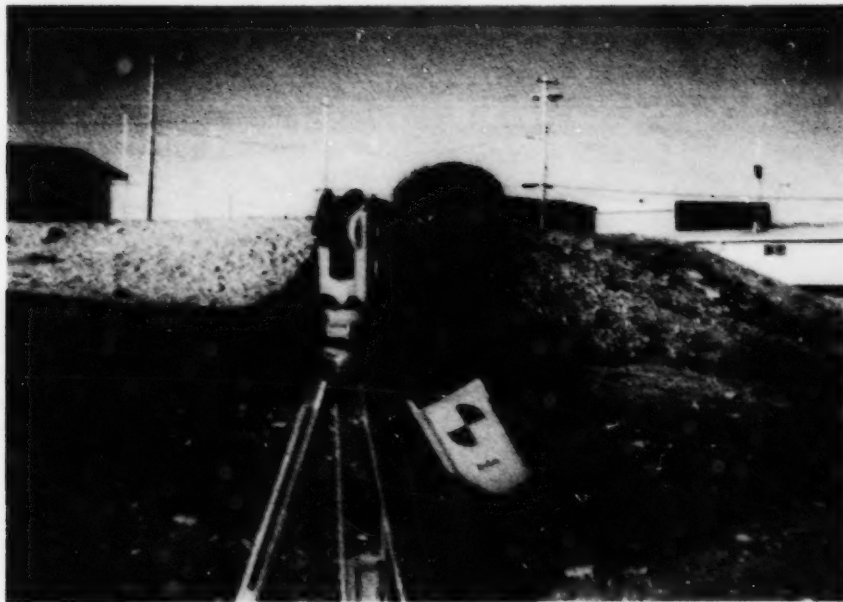
Survey Assistant Placing Shoulder Stakes - Cape Dorset



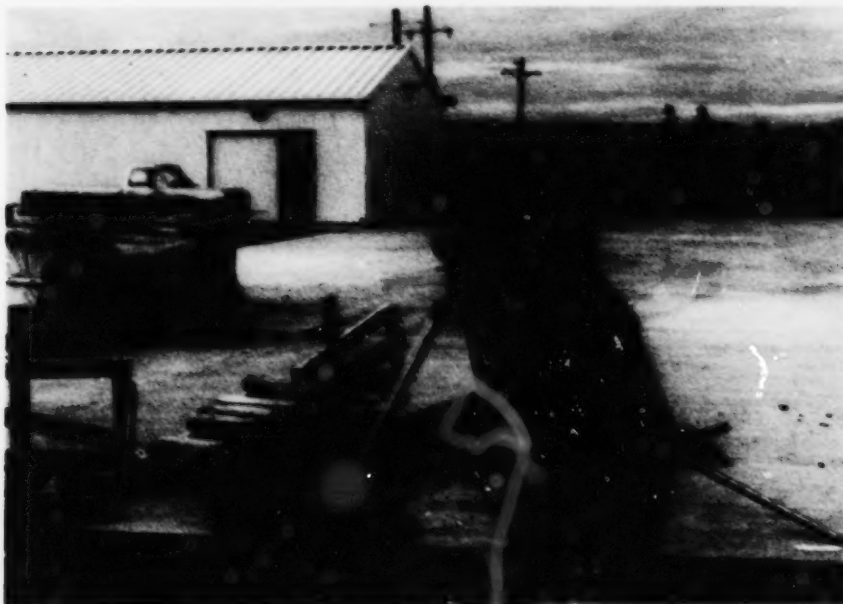
Survey Assistant Setting Lot Corners - Grise Fiord



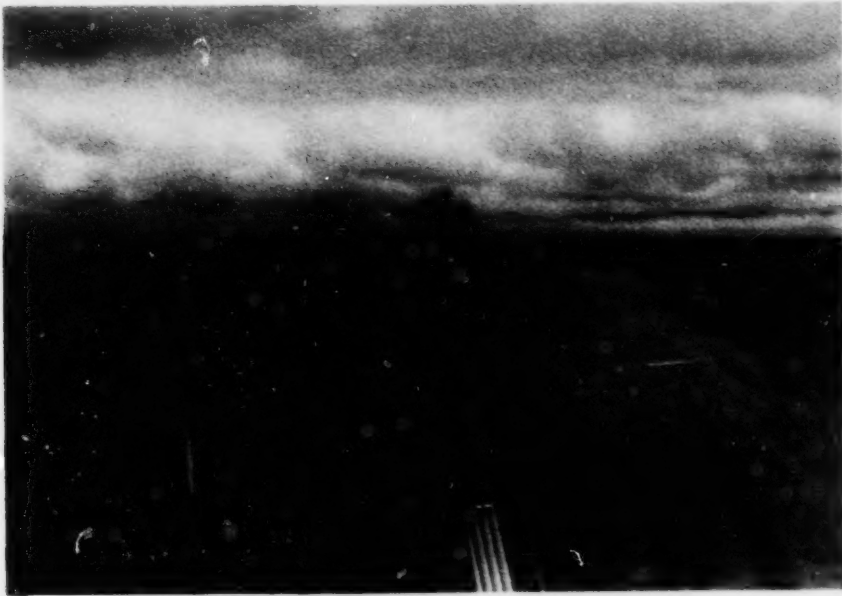
Survey Assistant Setting Slope Stakes - Pangnirtung



Survey Assistant Being Taught to Use Theodolite - Igloolik



Survey Team Laying Out Air Tanker Base - Norman Wells



Survey Assistant helping in Pre-Engineering Survey - Clyde River



Gravel Checkers Directing Gravel Trucks - Cape Dorset



Training a Student Currently Registered in the
DPW Sponsored Engineering Access Program
- Dettah



Project Technician Checking Design of the Igloodik Subdivision
- Yellowknife

V. CONCLUSION

As much as possible, the Community Programs Section will continue to implement its programs utilizing various approaches or initiatives which emphasize and maximize business, employment and training opportunities for northern residents. Our 1990/91 special approaches to award contracts to local contractors or communities and to train local residents achieved the greatest impact. Also, our approaches to assist hamlets and local contractors in laying out their work; assisting them in obtaining bank loans; expediting progress payments; training them to interpret contract drawings and

specifications; dividing major projects into smaller packages; and consulting them on hiring local residents proved very effective. These approaches encouraged hamlets and local contractors to participate in activities related to construction and training and, as noted previously in this report, resulted in 98% of construction and service contracts being awarded to hamlets, local and northern contractors.